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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,663	06/24/2003	Makoto Saotome	030753	9540
23850	7590	03/02/2006	EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			EHNE, CHARLES	
1725 K STREET, NW			ART UNIT	PAPER NUMBER
SUITE 1000				
WASHINGTON, DC 20006			2113	

DATE MAILED: 03/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/601,663	SAOTOME ET AL.	
	Examiner Charles Ehne	Art Unit 2113	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 28 June 2002.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-10 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-10 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
     1. Certified copies of the priority documents have been received.  
     2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
     3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date: _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date: _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Korhonen (6,829,726).

As to claim 1, Korhonen discloses an electronic device configured to be connected by a serial bus including a signal line and a shield line, comprising:  
a signal receiving unit configured to receive signals from the shield line (Figure 1.16, column 5, lines 6-10); and  
an identification unit connected to the signal receiving unit and configured to identify the received signals (column 5, lines 11-14),

wherein a self-test is performed based on results of the identification (column 5, lines 6-10).

As to claim 2, Korhonen discloses an electronic device as claimed in claim 1, wherein said signals from the shield line include one of direct-current voltage signals, tone signals, and digital signals (column 5, lines 18-21).

As to claim 3, Korhonen discloses an electronic device as claimed in claim 1, wherein the serial bus is a USB (Figure 1.16).

As to claim 4, Korhonen discloses an electronic device as claimed in claim 1, further comprising a display for displaying results of the self-test (column 3, lines 65-67).

As to claim 5, Korhonen discloses an electronic device configured to be connected by a serial bus including a signal line, comprising:

a signal receiving unit configured to receive signals off a standard for the serial bus from the signal line (Figure 1.16, column 5, lines 6-10); and

an identification unit connected to the signal receiving unit and configured to identify the received signals (column 5, lines 11-14),

wherein a self-test is performed based on results of the identification (column 5, lines 6-10).

As to claim 6, Korhonen discloses an electronic device as claimed in claim 5, wherein said signals off the standard for the serial bus include one of signals having voltages exceeding the standard for the serial bus, signals different in transmission speed from the standard for the serial bus standard, and signals different in protocol from the standard for the serial bus standard (column 5, lines 48-51 & column 7, lines 6-8).

As to claim 7, Korhonen discloses an electronic device as claimed in claim 5, wherein the serial bus is a USB (Figure 1.16).

As to claim 8, Korhonen discloses an electronic device as claimed in claim 5, further comprising a display for displaying results of the self-test (column 3, lines 65-67).

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As to claim 9, Korhonen discloses an testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line and a shield line, said testing device transmitting the test command signals to the electronic device through the shield line (column 2, lines 47-53).

As to claim 10, Korhonen discloses an testing device for transmitting test command signals to an electronic device connected with the testing device by a serial bus including a signal line, said testing device transmitting signals off a standard of the serial bus as said test command signals to the electronic device through the signal line (column 2, lines 47-53 & column 4, lines 30-31 & lines 40-42).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Ehne whose telephone number is (571)-272-2471. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571)-272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Robert W. Beaudoin  
Commissioner for Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20591-0000